
Moving beyond ‘lives.saved’ from COVID-19

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What can we do as an HEOR community?

• Leave infectious disease epidemiology to the experts
• Provide ‘layering’ to build on existing epidemiological models
Conditional LE is poorly understood:

But available from standard life tables
UK Age Distribution at Death

.age group .
0-9 .
10-19 .
20-29 .
30-39 .
40-49 .
50-59 .
60-69 .
70-79 .
80-90 .
90-100 .

Impact of Co-Morbidity (UK weighted Average)

SMR3

SMR2

SMR1

LE
QALE
dQALYs

Years
0 2 4 6 8 10 12
UK vs US Age Distribution at Death

UK vs US: Impact of Co-Morbidity
Summary

• Focus has been on burden of COVID-19 DIRECTLY
• But approach can be extended to look at INDIRECT effects
  • Delays in routine treatment
  • Lockdown impact on immunization
  • Economic impacts on health
• Combined with costs to allow full economic evaluation of policy choices

Spreadsheet tool can be downloaded:


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